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37159/60/000/006/022/032
2632/E44

24,6900

AUTHORS Mokhtarov, A. I., Evlambekov, R. G. and Gadzhiev, S. A.

TITLE Radiative Decay of the π^{\pm} Meson

PERIODICAL Izvestiya vysshikh uchebnykh zavedeniy, Fizika,
1960, No. 6, pp. 142-146

TEXT After the discovery of the non-conservation of parity (Lee and Yang, Ref. 1) in weak interactions it became necessary to review the theory of the various processes in which these interactions are involved. This has been done by various authors (Ref. 1 to 10) who discussed in detail the β -decay of nuclei, non-radiative disintegrations of π and μ -mesons and so on. The radiative disintegration of the π -meson has been discussed by Loffe, Rudik, Fry, Egydhi, Primakoff, Vedenov, Mokhtarov, Bund and other (Ref. 15 to 18). In some of these papers, the non-conservation of parity was taken into account while in others the anomalous magnetic moment of the μ -meson was accounted for. The present authors report a study of the radiative decay mode of the π -meson.

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S/139/60/000/006/022/032
E032/E4J4Radiative Decay of the π^+ Meson

$$\pi^+ \rightarrow \nu^+ + \bar{\nu} + \gamma$$

on the basis of the theory of Dirac particles with oriented spins, and taking into account the anomalous magnetic moment of the u-meson. The polarization and the angular distribution of the decay products are computed. However, only the longitudinal polarization of the decay products is taken into account since it is an integral of motion and, as was shown by Sokolov et al (Ref.20), the transverse and time components of the spin pseudovector can easily be expressed in terms of the longitudinal component. Following the methods of Sokolov (Ref.13 and 21), the longitudinal polarization of the u-meson and the neutrino is included with the aid of the projection operator $\gamma_5 \not{p}/\not{p}$, whose eigenvalues are equal to twice the spin projection in the direction of their motion. The circular polarization of the γ -ray is taken into account with the aid of Card 2/5.

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S/139/60/000/006/022/032
E032/E414Radiative Decay of the π^\pm Meson

the vector

Eq.
P.
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$$a_t = \frac{1}{\sqrt{2}} (\beta + i\ell [n\beta]),$$

(Sokolov, Ref.21 and 22). In this expression β is a unit vector perpendicular to $n = (\underline{x}/x)$; $\underline{h}\underline{x}$ is the momentum of the γ -ray; $\ell = 1$ for right-handed polarization and $\ell = -1$ for the left-handed polarization. A general expression is derived for the decay probability using the four-component neutrino theory. This probability contains a term due to the anomalous magnetic moment of the μ -meson and when this term is put to zero the formula reduces to that given by Mukhtarov and Gadzhiev (Ref.17). The general formula is, however, rather unwieldy but it can be simplified with the aid of the non-relativistic approximation. On this approximation, the differential decay

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S/139/60/000/006/022/032
E032/E414**Radiative Decay of the π^+ Meson****probability is given by**

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A. И. Мухаров, Р. Г. Элланбеков, С. А. Гаджинев

Eq.

(11)

$$dW = \frac{e^2 g^2 k^2 d\kappa \sin \theta d\Theta}{16 \pi c \hbar^2 \kappa_{0x} \kappa_0^2} (\kappa_{0x} - \kappa_0) \left[1 + \left(\frac{\mu'}{e} \right) \kappa_0 \right]^2 (1 + l s_z) (1 - l \cos \theta). \quad (11)$$

where Θ is the angle between the direction of motion of the μ -meson and of the photon. It is clear from this expression that if the spin of the μ -meson is antiparallel to the motion of the γ -ray ($\cos \Theta = -1$) then the decay probability has a non-zero value only when an antineutrino is emitted and the γ -ray has a right-handed polarization. If, on the other hand, the spin of the μ -meson is in the opposite direction, then one must allow the emission of a neutrino and a γ -ray with a left-handed polarization. It follows that if the neutrino is a completely longitudinally polarized particle, then the probability of a radiative π -decay has a non-zero value when the spins of all

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S 0139/00-000-006/021/000
6/1960 6/1960

Part of the effect of the \mathbf{P}_\perp - Meson

The particles are all parallel or all are related to their respective directions of motion. This conclusion is equivalent to the statement that the triangle formed by the angular momentum vectors is closed, i.e., the angular momentum is conserved. Acknowledgments are expressed to professor S.A. Skobtsov and B.E. Kapomov for interest and discussions during our stay at the Institute of Soviet and German Physics.

ANSWERED: Azerbaydzhan'skiy gosuniversiteti, shuri - S.M.Kirov.
Azerbaijan State University, name S.M.Kirov

SUBMITTED: May 6, 1959 (initially)
January 25, 1960 (letter revision)

APPENDIX

KOLESOV, A.P.; GADZHIYEV, S.A.

Resection of 13 1/2 pulmonary segments in one operation for
bilateral bronchiectasis. Grud. Khir. 2 no.3:47-48 My-Je '60.
(MIRA 15:3)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey
(nach.-prof. P.A. Kupriyanov) Vojenno-meditsinskoy ordena Lenina
akademii imeni Kirova. Adres avtorov: Leningrad, prospekt Karla
Marksa, d.7/8, Khirurgicheskaya klinika TSentral'nogo instituta
usovershenstvovaniya vrachey.

(LUNGS--SURGERY)
(BRONCHI--DILATATION)

GADZHIYEV, S.A. (Leningrad, Vasil'yevskiy ostrov, 1-ya liniya, d.18, kv.32)

Importance of the first and second barriers in mitral stenosis. Grud.
khir. 2 no.5:21-28 S-0 '60. (MIRA 16:5)

1. Is khirurgicheskoy kliniki usovershenstvovaniya vrachey Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova (nachal'nik-deystviteľnyy chlen AMN SSSR P.A.Kupriyanov).
(MITRAL VALVE—DISEASES) (PULMONARY CIRCULATION)

GADZHIYEV, Surkhay Aliyevich; PISAREVSKIY, A.A., red.; RULEVA, M.S.,
tekhn. red.

[Surgical treatment of mitral stenosis] Khirurgicheskoe leche-
nie mitral'nogo stenozha. Leningrad, Medgiz, 1961. 217 p.
(MIRA 15:7)

(MITRAL VALVE--SURGERY)

GADZHIYEV, S. A.

Artificial blood circulation in combination with deep hypothermia in operations on the open heart in the cardiosurgical centers of Paris (Personal impressions). Grud. khir. no. 4:123-125 '61.
(MIRA 14:12)

(BLOOD--CIRCULATION, ARTIFICIAL)
(PARIS--HEART--SURGERY)
(HYPOTHERMIA)

GADZHIEV, S.A., doktor med.nauk

Intralobar sequestration of the lung. Khirurgia 37 no.1:25-
29 Ja '61. (MIRA 14:2)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav. S.A.
Gadzhiev) Leningradskogo gosudarstvennogo instituta dlya usover-
shenstvovaniya vrachey imeni S.M. Kirova.
(PULMONARY ARTERY)

GADZHIYEV, S.A., prof.

Urgent problems of surgery of the heart. Azerb. med. zhur.
no.6:3-6 Je '62. (MIRA 17:8)

1. Zaveduyushchiy kafedroy grudnoy khirurgii i anesteziologii
Leningradskogo ordena Lenina instituta usovershenstvovaniya
vrachey imeni S.M. Kirova.

GADZHIYEV, S.A. (Leningrad, M-70, ulitsa Frunze, dom 1, kv. 5); VORONOV, A.A.;
CHERKASSKIY, A.A.

Observations on the use of the apparatus for artificial circu-
lation (the AIK-59 and AIK-60) under clinical conditions. Grudn.
khir. 4 no. 5:16-20 S-0'62 (MIRA 17:3)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav. - prof.
S.A. Gadzhiev) Leningradskogo instituta usovershenstvovaniya
vrachey imeni S.M. Kirova.

ABRAKOV, L.V., kand. med. nauk; BLINOV, N.I., prof.; GADZHIYEV, S.A.,
prof.; GODUNOV, S.F., prof.; ZVORYKIN, I.A., prof.; ZEBOV'D,
A.N., prof.; KOROTKEVICH, N.S., dots.; MARLEY, Ye.F.; MASLOV,
S.I., kand. med. nauk; NADEIN, A.P., prof.; POSTNIKOV, B.N.,
prof.; ROZOV, V.I., prof.[deceased]; UGRYUMOV, V.M., prof.;
KHROMOV, B.M., prof.; UDERMAN, Nikolay Il'ich, red.; KHARASH,
G.A., tekhn. red.

[Manual on surgical interventions for surgeons of rural sec-
tional and district hospitals] Rukovodstvo po operativnym vme-
shatel'stvam dlia khirurgov sel'skikh uchastkovykh i raionnykh
bol'nits. Izd.2., ispr. i dop. Leningrad, Medgiz, 1963. 390 p.

(MIRA 16:7)

(SURGERY--HANDBOOKS, MANUALS, ETC.)

GADZHIYEV, S.A.; VANEVSKIY, V.L.; MUKHAYLOVICH, V.A.

Anesthesiological problems in surgery on the open heart. Grud.
khir. 5 no.1:122-128 Ja-F'63. (MIRA 16:7)

1. Iz kafedry torakal'noy khirurgii i anesteziologii (zav.-prof.
S.A.Gadzhiev) Leningradskogo ordena Lenina instituta usovarshen-
stvovaniya vrachey imeni S.M.Kirova)
(HEART—SURGERY) (ANESTHESIA)

GADZHIYEV, S.A., prof.; VORONOV, A.A., kand.med. nauk

Radical surgery in echinococcosis of the heart. Vest. khir.
70 no.6:ll7-ll9 Je'63
(MIRA 16:12)

1. Iz kliniki torakal'noy khirurgii i anesteziologii (zav. -
prof. S.A. Gadzhiev) Leningradskogo ordena Lenina instituta
usovershenstvovaniya vrachey imeni S.M.Kirova. Adres avtorov:
Leningrad, ul. Saltykova-Shchedrina, d.41, kafedra grudnoy
khirurgii i anesteziologii Gosudarstvennogo instituta dlya
usovershenstvovaniya vrachey.

GADZHIYEV, S.A., prof. (Leningrad, ul. Frunze, d.1, kv.5); VORONOV, A.A.:
VASIL'YEV, V.N.

Some problems of perfusion in artificial blood circulation. Vest.
khir. 90 no.2:31-35 F'63. (MIRA 16:7)

1. Iz kafedry grudnoy khirurgii i anesteziologii (zav. - prof.
S.A.Gadzhiev) Leningradskogo ordena Lenina instituta usover-
shenstvovaniya vrachey imeni Kirova.
(PERFUSION PUMP (HEART))

GADZHIYEV, S.A., prof.; VORONOV, A.A.; VASIL'YEV, V.N.

Comparative characteristics of the clinical use of apparatus AIK-60
and ISL-2 in heart surgery. Vest. khir. no.7:31-37 J1 '64. (MIRA 18:4)

1. Iz kafedry grudnoy khirurgii i anesteziologii (zav. - prof. S.A. Gadzhiev) Leningradskogo instituta usovershenstvovaniya vrachey imeni Kirova. Adres avtorov: Leningrad, S-15, ul. Saltykova-Shchedrina, 41, kafedra grudnoy khirurgii i anesteziologii Gosudarstvennogo instituta dlya usovershenstvovaniya vrachey imeni Kirova.

GADZHIYEV, S.A.; MARYANOV, Iu.N.

Cardiac insufficiency following mitral commissurotomy. Kardiologiya
no.3:61-66 '65. (MIA 13:10)

1. Klinika gradnay kirurgii (av. - prof. S.I.Gadzhiev) Leningrad-
skogo instituta uchebno-nauchnykh vrachey imeni A.M.Gor'kogo i
otdeleniya gradnay kirurgii (av. A.N.Smirnov) Chelyabinskoy oblastnoy
klinicheskoy bol'niцы (glavnnyy vrach N.N.Flyukov).

GADZHIYEV, Sh.A.

Generalizing the basic differential equation in the theory of an elastic regime for a case in which the reservoir and fluid parameters depend on pressure. Izv. vys. ucheb. zav.; neft' i gaz 8 no.4:45-46 '65. (MIRA 18:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akademika I.M.Gubkina.

GADZHIYEV, Sh.A.

Concerning a basic theorem of the theory of elastic drive. Neft.
khoz. 43 no.9:31-35 S '65. (MIRA 18:10)

SUVOROV, A.V.; DOBROTKIN, R.B.; GADZHIYEV, S.M.

Equilibrium of dissociation in sulfuric acid vapors. Zhur.
neorg. khim. 10 no.6:1307-1311 Je '65.

(MIRA 18:6)

GADZHIYEV, S.M., otv. red.; ALIVERDIYEV, A.A., doktor biol. nauk,
red.; PLEKHANOV, N.I., kand. biol. nauk, red.; RUKHLYADEV,
D.P., kand. veter. nauk, red.; SHAKHMARDANOV, Z.A., kand.
veter. nauk, red.; EMIRBEKOV, E.Z., kand. biol. nauk, red.

[Problems of physiology, biochemistry, zoology and parasitology; collection of papers of the Departments of Zoology and Organic and Biological Chemistry] Voprosy fiziologii, biokhimii, zoologii i parazitologii; sbornik nauchnykh soobshchenii kafedry zoologii i kafedry organicheskoi i biologicheskoi khimii. Makhachkala, Dagestanskoe knizhnoe izdvo, 1965. 168 p. (MIRA 19:1)

1. Makhach-Kala. Dagestanskiy gosudarstvennyy universitet.

GADZHIYEV, S.N.; SHARIFOV, K.A.

Heat of formation of selenium dioxide, Dokl.AN Azerb.SSR 15
no.8:667-671 '58.
(MIRA 13:1)

1. Institut fiziki AN AzerSSR.
(Selenium oxides) (Heat of formation)

GADZHIYEV, S.N.; SHARIFOV, K.A.

Determining the heat of formation of tin selenide by synthesis in a calorimetric bomb [in Azerbaijani with summary in Russian]. Dokl. AN Azerb.SSR 16 no.7:659-662 '60. (MIRA 13:9)

1. Institut fiziki AN AzerSSR.
(Tin selenide) (Heat of formation)

9.4320
24.5500

24024
S/076/61/035/005/008/008
B101/B218

AUTHORS: Gadzhiyev, S. N. and Sharifov, K. A. (Baku)

TITLE: Use of thermistors in calorimetry

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 5, 1961, 1147-1149

TEXT: The authors propose the use of MMT-4 (MMT-4) thermistors in calorimeters with isothermal shells. The MMT-4 thermistors (resistance 3528.28 ohms) were calibrated at 25°C by means of a mercury thermometer (error: ±0.0005°C). Temperature was varied between 23 and 27°C, and the resistance of the thermistor was measured with a Wheatstone bridge every 0.5°C. From the experimental data, the authors derived the equation for the resistance R: $\log R = -0.03487 + 1067.981/T$ (1). Since the resistance of the thermistor is also dependent on the voltage, the latter was kept constant. A voltage of 0.5 v was taken as an optimum at which the volt-ampere characteristic is linear. Tests showed that MMT-4 thermistors are not stable. Within 58 days the resistance changes by 1 ohm, which corresponds to 0.0095°C. As this change was equal for all temperatures, it is of no significance in the calorimetric determination of ΔT. The

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Use of thermistors in calorimetry

correction for heat exchange was calculated from the equation $T = a + bR$ (2). Differentiation of Eq. (2) leads to $dR/R = -2460dT/T^2$. In the initial and final sections, the temperature takes a linear course: $v = \Delta T/\Delta t$. If t is set equal to 1, one obtains $v = -T^2 \Delta R / 2460R$; $v_o = -\theta_o^2 \Delta R_o / 2460R_o$; $v_n = -\theta_n^2 \Delta R_n / 2460R_n$. Here, v_o , v_n denote the temperature change, and θ_o , θ_n the average temperature of the system at the beginning and at the end of the experiment. If $-\theta_o^2 / 2460R = C$ and $-\theta_n^2 / 2460R_n = C_n$, one obtains $v_o = C_o \Delta R_o$ (3); $v_n = C_n \Delta R_n$ (4). R_o and R_n are the changes in resistance at the beginning and at the end of the experiment. Then, the correction equations read:

$$\sum v_o = \frac{C_n \Delta R_n - C_o \Delta R_o}{R_n - R_o} \left[\frac{r_n + r_o}{2} + \sum_{i=1}^{n-1} r_i - nR_o \right] + nC_o \Delta R_o. \quad (5)$$

$$\sum v_n = \frac{C_n \Delta R_n - C_o \Delta R_o}{R_n - R_o} \left[\frac{r_n + r_o}{2} + \sum_{i=1}^{n-1} r_i - nR_n \right] + nC_n \Delta R_n. \quad (6)$$

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Use of thermistors in calorimetry

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S/076/61/055/005/008/CG8
B101/3218

Here, $\sum v_o$, $\sum v_n$ are the corrections for heat exchange, R_o and R_n the mean values of resistance at the beginning and at the end of the experiment, r_o , r_n the final values of resistance during the initial and the main period, and n is the number of measurements in the main period. If one works always with the same temperature interval, C_o and C_n may be calculated in advance, which simplifies work appreciably. According to the authors, their method allows temperature changes to be measured with an error of $\pm 0.0005^\circ\text{C}$. There are 14 references: 12 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Akademiya nauk Azerbaydzhanskoy SSR, Institut fiziki
(Academy of Sciences, Azerbaydzhanskaya SSR, Institute of Physics)

SUBMITTED: October 1, 1960

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20637

9,4177
24,7600 (1043,1158 only)

S/020/61/136/006/013/024
B103/B203

AUTHORS: Gadzhiev, S. N. and Sharifov, K. A.

TITLE: Determination of the formation heat of indium antimonide by fusion in a calorimetric bomb

PERIODICAL: Doklady Akademii nauk SSSR, v. 136, no. 6, 1961, 1339-1341

TEXT: The authors developed new methods of determining the formation heat of binary semiconductor compounds since the usual methods are not always applicable. They heated a stoichiometric mixture of indium and antimony in a sealed quartz ampoule evacuated to 10^{-3} mm Hg at 700°C for 4 min. The ampoule was enveloped by nichrome wire which was fixed by a paste of kaolin, borax, and water, and protected by a tantalum coat. The ampoule was mounted in a calorimetric bomb developed at the termicheskaya laboratoriya Moskovskogo universiteta (Thermal Laboratory of Moscow University) (Fig. 1) and connected to a shaking device. The electric motor driving this device was switched on only during the heating process, and was protected from the heat source by a silver screen. A high-precision current

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S/020/61/136/006/013/024
B103/B203

Determination of the formation...

meter (produced by the "Etoalon" Works) was used in measuring the electric work. The temperature change in the calorimeter was determined with an MMT-4 (MMT-4) thermistor. Calorimeter and current meter were both calibrated. The calorific value of the calorimeter was 2904.4 ± 0.6 cal₁₅.

One revolution of the current-meter pointer corresponded to 41.40 ± 0.02 cal. The authors stress that the experiments must be carried out on a high level to obtain results of sufficient accuracy. 6.000 cal. were produced during the heating of the empty and filled ampoule. The temperature on the calorimeter increased by 2.15°C in the case of the empty, and by 2.30°C in the case of the filled ampoule. Hence, the authors conclude that 0.15°C corresponds to the heat effect of the reaction. The principal experiment took 15 min. The bomb was filled with nitrogen (30 atm pressure) which reduced the time of experiment and may counteract a possible explosion in the case of substances with high vapor tension. On the basis of their results, the authors state that only cubic InSb forms in the ampoule. This was shown by an X-ray analysis conducted by K. P. Mamedov and Z. D. Nuriyeva. The chemical analysis (Ref. 5) showed that the components were added at 96-100%. The standard formation heat found by the authors for InSb is

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B103/B203

Determination of the formation...

$\Delta H^0_{\text{cub}} \text{InSb} = -3.89 \pm 0.04 \text{ kcal/g-atom}$. By comparison they found that their results agree well with those obtained by other researchers. The ΔH of InSb is not large; therefore, InSb is more similar to alloys than to saline compounds. The authors think that their methods may also be used for multicomponent systems. There are 1 figure, 2 tables, and 6 references: 2 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Institut fiziki Akademii nauk AzerbSSR (Institute of Physics of the Academy of Sciences Azerbaydzhanskaya SSR)

PRESENTED: October 6, 1960, by V. N. Kondrat'yev, Academician

SUBMITTED: October 5, 1960

Card 3/4

GADZHIYEV, S.N.; SHARIFOV, K.A.

Enthalpy of the formation of tellurium dioxide. Izv.AN Azerb.
SSR.Ser.fiz.-mat.i tekhnauk no.1:47-53 '62. (MIRA 15:4)
(Enthalpy) (Tellurium oxide)

GADZHIYEV, S.N.; AGARUNOV, M.Ya.; SHARIFOV, K.A. (Baku)

Measurement of small temperature differences by means of a
thermistor. Zhur. fiz. khim. 36 no.4:897-899 Ap '62.

(MIRA 15:6)

1. Institut fiziki AN Azerbaydzhanской SSR.
(Thermistors) (Temperature--Measurement)

L 17484-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD/JW

ACCESSION NR: AP3004611

S/0253/63/000/002/0053/0054

58

AUTHORS: Sharifov, K. A.; Gadzhiev, S. N.; Garibov, I. M.

TITLE: The enthalpy of formation of indium arsenide

SOURCE: AN AzerbSSR. Izv. Ser. fiziko-matem. i tekhn. nauk, no. 2, 1963, 53-54.

TOPIC TAGS: enthalpy, indium arsenide

ABSTRACT: The determination of the enthalpy of formation of indium arsenide is accomplished by direct synthesis of the substance from the elements in the calorimetric bomb described by the authors in a previous article (DAN SSSR, 136, no. 6, 1961, 1339). InAs has a melting temperature of 942°C. The reaction was carried with 4g of 99.99% pure indium and a slight excess of arsenic of 99.99% purity. The degree of conversion was tested through distillation of the unreacted arsenic residue in vacuum at 0.1 mm Hg and 600-650°C. X-ray analysis shows that InAs is present only in cubic modification. The enthalpy results agree with the data given by Gutbier but disagrees with other results given in the literature.

Orig. art. has: 1 table.

ASSOCIATION: none

SUBMITTED: : '00'

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: PH,CH

NO REF SOV: 004

OTHER: 004

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GADZHIYEV, S.N.; SHARIFOV, K.A.

Use of thermistors in calorimetry. Zhur. fiz. khim. 35 no.5:
1147-1149 My '61. (MIRA 16:7)

1. Institut fiziki AN Azerbaydzhanskoy SSR, Baku.
(Thermistors) (Calorimetry)

SHARIFOV, K.A.; GADZHIYEV, S.N.; AGARUNOV, M.Ya.

Use of thermistors in calorimetry. Zhur.fiz.khim. 37 no.10:2368-2370
O '63. (MIRA 17:2)

1. Institut fiziki AN Azerbaydzhanskoy SSR.

L 2138-65 EWT(m)/EWP(q)/EWP(b) IJP(c)/BSD/ASD(p)-3/AFETR/ASM(p)-2/AEDC(a)/
AFWL/SSD/ESD(t) JD/JW S/0233/64/000/002/0085/0087
ACCESSION NR: AP4044628

AUTHORS: Sharifov, K. A.; Gadzhiev, S. N.; Agarunov, M. Ya. 25

TITLE: Enthalpy of formation of gallium antimonide 27 27

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tehnicheskikh i
matematicheskikh nauk, no. 2, 1964, 85-87

TOPIC TAGS: gallium antimonide, enthalpy, thermodynamic calculation,
calorimeter 14

ABSTRACT: The enthalpy was measured with a calorimetric setup using
an isothermal shell described by the authors elsewhere (Izv. AN
Azerb. SSR, seriya fiz.-matem. i tekhn. nauk 1962, no. 7, 47), with
the calorimeter temperature measured with a thermistor using a pro-
cedure developed by the authors (Zh. fizich. khimii v. 35, no. 5,
1147, 1961; v. 36, no. 4, 887, 1962; v. 37, no. 10, 2368, 1963). The
enthalpy of formation of gallium antimonide was measured by a method

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ACCESSION NR: AP4044628

O.

involving direct synthesis in a calorimetric bomb likewise developed by the authors (DAN SSSR v. 136, no. 6, 1339, 1961). Those steps in the procedure which are not described elsewhere are briefly mentioned here. The value obtained for the enthalpy of GaSb production at 298K is -10.7 ± 0.6 kcal/mole = -44770 ± 2500 J/mole, which is compared with an experimental value 9.94 ± 0.44 and calculated values 13.3 and 12.2, obtained elsewhere. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: TD, MT

NR REF SOV: 005

OTHER: 003

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L 29944-65 EPP(c)/EPR/EWT(1)/EWP(j)/EWT(m)/EWP(b)/EWP(e) Pg-4/P1-4/Pg-4/P1-4/
ACCESSION NR: AP4044448 D-74 RPL RM/WH/ S/0076/C4/038/008/2070/2072
NN/JN/JD

AUTHOR: Sharifov, K. A.; Gadzhiev, S. N.

TITLE: A method for the determination of enthalpy of high temperature processes

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 8, 1964, 2070-2072

TOPIC TAGS: indium phosphide, enthalpy, calorimetry

ABSTRACT: A method is developed for measuring heats of formation of compounds, particularly semiconductors by direct synthesis or decomposition of the investigated material in a calorimeter and by direct measurement of the thermal effect of this process. Using this method thermal decomposition of InP with its enthalpy of formation ΔH° was determined for the first time. The determination was made in a V-04 calorimeter with an isothermal shell. The calorimeter was a micro-furnace with a thin-walled quartz tube wound with heating coil. A 6-g sample of InP in the tube was heated and the heat due to the current was measured by a calibrated counter. The determined standard enthalpy of formation of indium phosphide $\Delta H_{298}^\circ(\text{InP}_{\text{cub}}) = 21.1 \pm 1.0 \text{ kcal/mole}$. The authors stated that it was not possible to determine this by any other existing method. Orig. art. has: 1 figure.

Card 1/2

L 29944-65

ACCESSION NR: AP404448

ASSOCIATION: Fizicheskiy institut Akademii nauk Azerbaydzhanov SSR (Physics Institute, Academy of Sciences, Azerbaijan SSR)

SUBMITTED: 19Jul63

ENCL: 00

SUB. CODE: TD, GC

NO REF Sov: 008

OTHER: 003

Card 2/2

GADZHIYEV, S.N.; AGARUNOV, M. Ya. (Baku)

Calorimetric combustion of organosilicon compounds. Zhur. fiz.
khim. 39 no. 1:239-241 Ja '65 (MIRA 1961)

I. Fizicheskiy institut AN Azerbaydzhanskoy SSR. Submitted
January 6, 1964.

ACC NR: AR6033763

SOURCE CODE: UR/0058/66/000/007/A012/A012

AUTHOR: Bazlova, I. V.; Stakhanova, M. S.; Gadzhiev, S. N.; Karapet'yants, M. Kh.

TITLE: Procedure of measuring small heat effects with the use of a thermistor

SOURCE: Ref. zh. Fizika, Abs. 7A112

REF SOURCE: Tr. Mosk. khim.-tekhnol. in-ta im. D. I. Mendeleyeva, vyp. 49, 1965, 32-34

TOPIC TAGS: heat effect, thermistor, measurement, aqueous solution, lithium chloride, sodium chloride/KMT-1 thermistor

ABSTRACT: A brief summary describing the experimental use of the KMT-1 type thermistor in calorimetry is given. The sensitivity of the circuit used by the authors amounted to 0.0003C. The heats of mixing have been measured for aqueous solutions of lithium and sodium chlorides. [Translation of abstract]

SUB CODE: 20/

Card 1/1

ACC NR: AP6036946

SOURCE CODE: UR/0233/66/000/003/0057/0061

AUTHORS: Gadzhiev, S. N.; Chebotarev, V. N.; Namazov, F. A.; Nagdaliyeva, Yu. R.; Azizov, T. Kh.; Agarunov, M. Ya.

ORG: none

TITLE: Physicochemical investigation of organosilicon compounds. 1. Enthalpy of formation of some methylchlorosilanes

SOURCE: AN AzerbSSR. Seriya fiziko-tehnicheskikh i matematicheskikh nauk, no. 3, 1966, 57-61

TOPIC TAGS: standard enthalpy, calorimeter, calorimetry, chlorinated aliphatic compound, silane, organosilicon compound

ABSTRACT: The standard enthalpies of formation (at 25°C) of trimethylchlorosilane, dimethyldichlorosilane, and methyltrichlorosilane were determined. The investigation is an extension of earlier published work by S. N. Gadzhiev and M. Ya. Agarunov (Zh. fiz. khimii, 39, 239, 1965). The experimental procedure followed is described by S. N. Gadzhiev and K. A. Sharifov (Izv. AN Azerb. SSR, seriya fiz-tekh i matem. nauk, 1962, No. 1). The calorimeter used is described by M. P. Kozina (Diss. MGU, 1955). A schematic of the calorimeter is presented. The physical properties of the materials investigated and the experimentally measured enthalpies of formation are tabulated. It was found that the standard enthalpy of formation at 25°C for trimethylchlorosilane

Card 1/2

ACC NR: AP6036946

was -80.0 ± 4.5 kcal/mole, for dimethyldichlorosilane -104.8 ± 5.0 kcal/mole, and for methyltrichlorosilane -150.5 ± 10.0 kcal/mole. Orig. art. has: 2 tables and 2 graphs.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 008

Card 2/2

GADZHIYEV, S. S.

AID P - 2988

Subject : USSR/Electricity

Card 1/2 Pub. 29 - 3/28

Author : Gadzhiyev, S. S., Eng.

Title : Organization of staff work for an accidentless
operation of power stations and substations

Periodical : Energetik, 6, 6-8, Je 1955

Abstract : Experience obtained in operation of stations and substations demonstrates that many of the disturbances occur due to the carelessness or lack of proper training of the personnel. The author suggests a thorough staff training in the Rules of Technical Operation, Technical Safety Rules, Production and Maintenance Instructions, etc. He describes some examples of accidents caused by personnel, and the kind of training at the power station at which he was working.

Energetik, 6, 6-8, Je 1955

AID P - 2988

Card 2/2 Pub. 29 - 3/28

Institution : None

Submitted : No date

GADZHIEV, S.S.

AID P - 3081

Subject : USSR/Electricity

Card 1/1 Pub. 29 ~ 15/29

Author : Gadzhiev, S. S., Eng.

Title : Operating a 16,000-kw, 3.75-kv generator for a 6.6-kv voltage

Periodical : Energetik, 7, 21-22, Jl 1955

Abstract : The author describes a three-phase 3.75-kv Siemens-Schuckert generator which had to be rebuilt at the electric power station for 6.6-kv. The generator was operated at its original location for 5 years and was found to be in good operating condition. The author describes the details of rewiring and the satisfactory results of the tests. Five tables. 2 diagrams.

Institution : None

Submitted : No date

GADZHIYEV, S. S.

GADZHIYEV, S.S., inzh.

Increasing the number of consumer lines connected under one
6 and 10 kv switch. Energetik 5 no.9:4-6 S '57. (MIRA 10:10)
(Electric power distribution)

GADZHIYEV, S.S., inzh.

Using a generator as a synchronous compensator. Energetik 6 no. 1:20-
21 Ja '58. (MIRA 11:8)
(Electric generators)

GADZHIYEV, S.S.

AUTHOR: None Given

SOV-91-58-4-7/29

TITLE: On the Article of S.S. Gadzhiev "On the Increase of the Number of Consumer Lines Connected with One Common Switch of 6 and 10 kv"(Po povodu stat'i S.S. Gadzhiyeva "Ob uvelichenii chisla potrebitel'skikh liniy, podklyuchayemykh pod odin vyklyuchatel' 6 i 10 kv")

PERIODICAL: Energetik, 1958, Nr 4, p 7 (USSR)

ABSTRACT: The great number of comments on the article of Engineer S.S. Gadzhiev received by the editors proves the actuality of the problem. Almost all comments mention a certain economy, and thereby lowering the reliability of the consumer's power supply. Furthermore, there are difficulties in placing a great number of disconnectors in standard cells, as well as a complication of the load supervision of certain lines and of the relay protection. Before connecting 3 and more lines with one common switch, all facts mentioned above are to be estimated, especially the reliability of electric power supply of consumers. A general use of such circuits in new distribution systems is not recommended. They can be used only for installations already in service and when there is no other possibility of connecting new subscribers.

Card 1/2

SOV-91-58-4-7/29

On the Article of S.S. Gadzhiev "On the Increase of the Number of Consumer Lines Connected with One Common Switch of 6 and 10 kv

At the same time, the editor estimates that the circuits containing load switches instead of disconnectors cited in the comments of S.D. Rokhlin and A.A. Yermilov are worthy of note.

1. Switching systems--Effectiveness 2. Electrical networks--Design

Card 2/2

Gadzhiev
GADZHIYEV, S.S., inzh.

Centralized repair of electric equipment of power plants.
Elek.sta. 29 no.1:49-50 Ja '58. (MIRA 11:2)
(Electric power plants--Equipment and supplies)

GADZHIYEV, S.S., inzh.; SMOL'NIKOV, V.L., red.; BORUNOV, N.I., tekhn.red.

[Preventing breakdowns of electric equipment at electric stations
and substations] Preduprezhdenie avarii s elektrooborudovaniem
na elektrostantsiakh i dopstantsiakh. Moskva, Gos.energ.izd-vo,
1959. 92 p.
(Electric power plants) (Electric substations)

GADZHIYEV, S.S., inzh.

Redesigning of the bearing lubricating system of a 1,500 kw. electric
motor. Energetik 9 no. 5:25 My '61. (MIRA 14:5)

(Electric motors)
(Lubrication and lubricants)

SUVOROVA, V.L.; IDASHKIN, Yu.V.; GADZHIYEV, S.S.

Psychological study of the activity of operators. Vop.psikhол. 7
no.3:47-60 My-Je '61. (MIRA 14:6)

1. Institut psichologii Akademii pedagogicheskikh nauk RSFSR, Moskva
(for Suvorova, Idashkin). 2. Gidroelektrostantsiya No.1 Moskovskogo
rayonnogo upravleniya energeticheskogo khozyaystva (for Gadzhiev).
(Automatic control—Psychological aspects)

275000

39918
S/044/62/000/007/08/100
C111/C333

AUTHORS: Suvorova, V. V., Idashkin, Yu. V., Gadzhiev, S. S.

TITLE: An attempt at the psychological examination of the activity of operators (In the example of working at electrical panels for remote control of electricity plants)

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 81, abstract 7V399. ("Vopr. psichologii", 1961, no. 3, 47-60)

TEXT: Two types of signal equipment arrangements are analysed: 1) the existing arrangement is distinct there-in that the operator receives unordered bits of information on the work of the system being controlled, thus making repeated readings inevitable. The amount of information received and to be worked-out is very large in a critical situation and the selection of the signal with the most important information is made difficult; 2) the new arrangement has the characteristics that the signal sources are distributed according to their functional purposes; this concentrates the information which the operator receives, does away with repeated readings and permits the selection of the necessary signals to be made in the appropriate sequence. The reading speed and the supervision of the automatic system depend on the extent to which.

Card 1/2

An attempt at the psychological ... S/044/62/000/007/097/100
C111/C333

the active selection of the signals is guaranteed, which, in turn, is decided through the arrangement of the control equipment and regulating devices.

[Abstracter's note: Complete translation.]

Card 2/2

GUREVICH, K.M.; GADZHIYEV, S.S.

Study of the role of the personal factor in the control of electrical equipment in electric power stations; psychological manifestations of the basic properties of the human nervous system at work. Vop. psikhol. 8 no.3:37-44 My-Je '62.

(MIRA 15:6)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR i Moskovskoye rayonnoye upravleniye energeticheskogo khozyaystva.
(Electric power plants) (Psychology, Industrial)

GADZHIYEV, S.S., inzh.

Tests in the preventative maintenance of loaded 6 to 10 kv. cable networks at electric power plants. Elek. sta. 32 no. 2:84-85 F '61. (MIRA 16:7)

(Electric networks--Testing) (Electric power plants)

GADZHIYEV, Sarkar Saidovich; NIKOLAYEVA, M.I., red.; BUL'DYAYEV,
N.A., tekhn. red.

[Reliability and operational safety of the electrical equipment of substations and power plants] Nadezhnost' i bezopasnost' ekspluatatsii elektrooborudovaniia elektrostantsii i podstantsii. Izd.2., perer. i dop. Moskva, Gosenergoizdat, 1963. 167 p.

(MIRA 16:5)

(Electric power plants--Electric equipment)
(Electric substations—Electric equipment)

GADZHIYEV, S.S., inzh.

Operation of asynchronous electric motors. Energetik 13 no.3;17-
18 Mr '65. (MIRA 18;7)

GADZHIYEV, S.S.

Treatment of hypertension at the Mardakyany seaside health resort.
Azerb. med. zhur. no.12:17-23 D '60. (MIRA 13:12)

1. Iz Mardakyanskogo sanatoriya 4-go Upravleniya Minzdrava AzerbSSR
(glavnnyy vrach - S. S. Gadzhiev, konsul'tant - chlen-korrespondent
AN AzSSR, prof. D.M. Abdullayev).
(HYPERTENSION)

GADZHIYEV, S.S.

Course of cardiovascular diseases under the conditions of the
Mardakyany Resort. Azerb. med. zhur. no.4:102-109 Ap '60.
(MIRA 14:5)
(MARDAKYANY—CARDIOVASCULAR SYSTEM—DISEASES)

GADZHIYEV, T.A.; SHAKHTAKHTINSKIY, T.N.; KANDALOV, V.D., red.;
RASHEVSKAYA, T.A., red. izd-va; AKHMEDEV, S., tekhn. red.

[Vinyl compounds] Vinilovye soedineniya. Baku, Azervaidzhan-
skoe gos. izd-vo, 1962. 269 p. (MIRA 15:9)
(Vinyl compounds)

Natilin, N.P., ESEYNOV, A.G.; SHAKHTAROVICH, V.A., et al. (1964)

Experimental investigation of the hydrogenation of acetylene
in the presence of aluminum oxide. Asinh. Khim. zhurn., no. 37-40
1964.
(NIIKA DPs 3)

NAGIBOV, M.M.; KHODJAEV, N.G.; GADZHIEV, T.A.; SHAKHTAKHTINSKIY, T.N.

Experimental study of the dehydrochlorination of dichloroethane
in order to obtain vinyl chloride in a reactor with a fluidized
bed and ascending through-flow of a catalyst. Azerb. khim. zhvr.
no.3:44-50 '64. (MIRA 18:5)

AZIZBEKOV, Sh.A.; RUSTAMOV, M.I.; GADZHIYEV, T.G.

Petrochemical characteristics of lower Pliocene intrusions and
extrusions in the folded region of Nakhichevan. Dokl. AN Azerb.
SSR 14 no.1:31-39 '58. (MIRA 11:2)

1. Institut geologii AN Azerbaydzhanskoy SSR.
(Nakhichevan A.S.S.R.--Rocks, Igneous)

AZIZBEKOV, Sh.A.; ZEYNALOV, M.B.; GADZHIYEV, T.G.

Facies and thickness of Devonian deposits in the Makhichevan
folded region. Dokl.AN Azerb.SSR 15 no.3:225-230 '59.
(MIRA 12:5)

1. Institut geologii AN AzerSSR.
(Makhichevan A.S.S.R.—Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; ZEYNALOV, M.B.; GADZHIYEV, T.G.

Analysis of facies and thicknesses of upper Oligocene and
lower Miocene sediments in the Nakhichevan Depression [in Azer-
baijani with summary in Russian]. Dokl. AN Azerb. SSR 15 no.4:317-320
'59. (MIRA 12:6)

1. Institut geologii Akademii nauk Azerbaydzhanskoy SSR.
(Azerbaijan--Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; ZEYPALOV, M.B.; GADZHIYEV, T.G.

Analysis of facies and thickness of middle Miocene sediments
in the Nakhichevan Depression in Azerbaijan. Dokl. AN Azerb.
SSR 15 no.11:1025-1029 '59. (MIRA 13:4)

1. Institut geologii AN AzerSSR.
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

AZIZBEKOV, Sh.A., GADZHIYEV, T.G., ZEYNALOV, M.B.

Facies and thickness of Carboniferous sediments of the Nakhi-
chevan fold region. Dokl. AN Azer. SSR 16 no.3:261-265 '60.
(MIRA 13:7)

1. Institut geologii AN AzerSSR.
(Azerbaijan--Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; GADZHIYEV, T.G.

Facies and thickness of Triassic sediments of the Nakhichevan fold
region. Dokl.AN Azerb.SSR 17 no.4:299-303 '61. (MIRA 14:6)
(Azerbaijan--Geolgy, Stratigraphic)

AZIZBEKOV, Sh.A.; GADZHIYEV, T.G.

Mechanism of the formation of the Megri-Ordubad batholith.
Izv. AN Azerb.SSR. Ser. geol.-geog.nauk i nefti no.5:11-20 '61.
(MIRA 15:1)

(Armenia--Batholiths)
(Iran--Batholiths)

BEKTASHI, S.A.; GADZHIYEV, T.G.

Conditions for the formation and distribution of ore resources in
the south-eastern part of the Nakhichevan A.S.S.R. Za tekhnicheskoy prog.
3 no.8:27-30 Ag '63. (MIRA 17:1)

1. Yuzhnaya geokhimicheskaya ekspeditsiya (for Bektashi).
2. Institut geologii AN Azerbaydzhanskoy SSR (for Gadzhiyev).

AZIZBEKOV, Sh.A.; GADZHIEV, T.G.; YEMEL'YANOVA, Ye.N.; RUSTAMOV,
M.I.; ABDULLAYEV, R.N., red.

[Petrology of the intrusives of the Araks tectonic zone in
the Lesser Caucasus] Petrologiia intruzivov Araksinskoi
tektonicheskoi zony Malogo Kavkaza. Baku, Izd-vo AN Azerb.SSR,
1964. 251 p. (MIRA 17:4)

AZIZBEKOV, Sh.A.; GADZHIYEV, T.G.

Basic characteristics of the structural petrology of the Megri-
Ordubad batholith. Izv. AN SSSR. Ser. geol. 29 no. 2:15-26
F '64. (MIRA 17:5)

1. Otdeleniye geologicheskikh nauk AN Azerbaydzhanskoy SSR,
Baku.

AZIZBEKOV, Sh.A.; BAGIROV, A.E.; GADZHIYEV, T.G.; RUSTAMOV, M.I.

Basic characteristics of metallogeny in the Aras tectonic
zone. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.3:25-
34 '65. (MIRA 18:9)

GADZHIYEV, T. N.

Cand Tech Sci - (diss) "Static and dynamic characteristics of load in power systems." Baku, 1961. 13 pp; (Committee of Higher and Secondary Specialist Education of the Council of Ministers Azerbaydzhan SSR, Azer Order of Labor Red Banner Inst of Petroleum and Chemistry imeni M. Azizbekov); 250 copies; free; (KL, 7-61 sup, 233)

GUSEYNOV, F.G.; GADZHIYEV, T.N.

Dynamic frequency characteristics of power systems. Izv.
AN Azerb.SSR.Ser.fiz.-mat. i tekhn. nauk no.4:73-83 '61. (MIRA 14:12)
(Power engineering)

L 15753-63

BDS

ACCESSION NR: AR3002694

8/0124/63/000/005/v077/v077

SOURCE: Rzh. Mekhanika, Abs. 5v621

51

AUTHOR: Guseynov, F.G.; Gadzhiev, T.M.

TITLE: Transducer¹⁰ for oscillography of relatively small dynamic stress variations

CITED SOURCE: Tr. Energ. in-ta. AN AzerbSSR, v. 15, 1962, 80-83

TOPIC TAGS: oscillography, dynamic stress variation, transducer

TRANSLATION: The circuit for a transducer device which raises the accuracy of measurement of the dynamic variation of a measured stress is described. The stress which is being measured is applied to the transducer, where its significant portion is separated, and the vibrator receives only the separated upper portion of the half wave of the stress being measured. This upper part is the required variation of stress. N.A. Petrov

DATE ACQ: 14Jun63

SUB CODE: SD

ENCL: 00

Card 1/1

(- A D Z H / J E V) 11/11
USSR/Cultivated Plants - Fruits. Berries. M.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44309

Author : Gadzhiev, T.Yu.

Inst : Voronezh Agricultural Institute.

Title : Economic and Biological Peculiarities of the Plum Varieties.

Orig Pub : Zap. Voronezhsk. s.-kh. in-ta, 1956, 26, No 2, 61-74.

Abstract : This article describes the work of a number of stations engaged in developing winter resistant, high yielding plum varieties for the northern and eastern rayons. In Voronezhskaya Oblast all varieties were divided into groups according to fast ripening and yield. The yields for two years of 52 varieties and seedlings of the plum in relation to the stock is characterized.

Card 1/2

- 152 -

GADZHIYEV, T. Yu. Cand Agr Sci -- (diss) "Study of the Agro-biological Properties of Plums Under Conditions of Voronezhskaya Oblast." Voronezh, 1957. 16 pp 20 cm. (Min of Agriculture USSR, Voronezh Agricultural Inst), 100 copies (KL, 25-57, 115)

- 92 -

GADZHIYEV, T.Yu.

Selecting pollinizers for developing new plum varieties in Voronezh Province. Agrobiologiya no.1:120-123 Ja-F '57. (MIRA 10:4)

1. Kafedra sadovodstva Voronezhskogo sel'skokhozyaystvennogo instituta.
(Voronezh Province---Plum breeding)

USSR/Cultivated Plants - Fruits, Berries.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53814

Author : Gadzhiyev, T.Yu.

Inst : -

Title : Stock and Periods for Grafting Plums in the Voronezhskaya Oblast

Orig Pub : Sad ogorod, 1957, No 7, 46-47

Abstract : Experiments conducted at the nursery of the Voronizh Institute of Agriculture in 1953-1956 showed that the local forms of wild myrobalan plum (*Prunus divaricata*) are good stock for the plum. Sloe proved to be less suitable. The best period for grafting plums under the conditions found in Voronezhskaya Oblast is the second half of August. -- T.S. Fedosenko

Card 1/1

USSR / Cultivated Plants. Fruit Trees. Small Fruit M
Plants. Nut Trees. Tea.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25053

Author : Gadzhiev, T. Yu.
Inst : Voronezh Agricultural Institute
Title : Biological Characteristics of Growth and
Fruit-Bearing of the Plum Tree Under Conditions
of the Voronezh Oblast'

Orig Pub : Zap. Voronezhsk. s.-kh. in-ta, 1957, 27, No 2,
169-175

Abstract : In 1954-1955, in the garden of the Fruit-
Vegetable Experimental Station of the
Voronezh Agricultural Institute, biological
characteristics of nine varieties of the
plum tree were studied according to the
modification methods of P. G. Schitt's

Card 1/2

169

USSR / Cultivated Plants. Fruit Trees. Small Fruit
 Plants. Nut Trees. Tea. M

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25053

biological investigations. A new division
 of varieties, according to biological signs,
 is proposed. Recommendation on the pruning
 of individual varieties are given. --
 N. A. Golikova

Card 2/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614010003-6"

USSR/Cultivated Plants - Fruits. Berries. M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82510

Author : Gadzhiyev, T.Yu.

Inst : Voronezh Institute of Agriculture

Title : Winter Resistance in Plum in Voronezhskaya Oblast'

Orig Pub : Sad. i ogorod, 1958, No 1, 45-47

Abstract : Observations at the Voronezhskiy Institute of Agriculture during 1954-1956 showed that varieties related to the East Asiatic group (Man'chzherskaya krasavitsa, Man'chzhurskiy chernosliv) and also their hybrids (Zarya, Kitayanka, Sestra Zari, Naryadnaya) are quite winter resistant. American varieties (Kahinta, Lacrescent, Underwood Tecumseh and others) are also winter resistant. Among the Middle Russian plum varieties, Skorospelka krasnaya and Zyuzinskaya are resistant; among the Michurin varieties -

Card 1/2

GADZHIYEV, Vagid Dzhelal ogly

[Account of the vegetation in the Zakatal'skiy Preserve of Azerbaijan] Ocherk rastitel'nosti Zakatal'skogo zapovednika Azerbaidzhanskoi SSR. Baku, Akad.nauk Azerbaidzhanskoi SSR, 1954. 197 p.
(MIRA 13:8)
(Zakatal'skiy Preserve--Botany)

ALIYEV, G.A.; GADZHIYEV, V.D.

Using valuable wild fodder plants as a green fodder system. Dokl.
AN Azerb. SSR 10 no.8:565-571 '54. (MLRA 8:10)
(Azerbaijan--Feeding and feeding stuffs)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614010003-6

GADZHIYEV, V.D.

Distribution and composition of Caucasian Rhododendron thickets in
Azerbaijan. Izv. AN Azerb. SSR no.10:97-105 O '56. (MLRA 10:3)
(Azerbaijan--Rhododendron)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614010003-6"

GADZHIYEV, V.D.

Some data on the experimental work of the Zakataly Alpine Pasture
Station. Izv.AN Azərb. SSR. Ser. biol.i med.nauk no.1:63-72 '60.
(MIRA 14:5)
(AZERBAIJAN—PASTURES AND MEADOWS)

GADZHIYEV, V.D.

Studying the subalpine meadow vegetation of the Greater Caucasus
(in the Azerbaijan S.S.R.). Probl. bot. 5:190-194 '60.

(MIRA 13:10)

1. Botanicheskiy institut AN AzerSSR, Baku.
(Azerbaijan—Pastures and meadows)

TUTAYUK, V.Kh.; GADZHIYEV, V.D.; VAGABOV, Z.V.

Wild ornamental plants in mountains of the Greater Caucasus.

Izv. AN Azerb. SSR Ser. biol. i med. nauk no.8:3-13'61.

(MIRA 16:8)

(AZERBAIJAN—PLANTS, ORNAMENTAL)

GADZHIYEV, V.D.; ISAYEV, Ya.M., doktor biol. nauk, retsenzent;
ALIYEV, R.A., kand. biol. nauk, retsenzent; PRILIPKO, L.I.,
doktor biol. nauk, prof., red.; DEMENT'YEVA, L., red.izd-va;
IBRAGIMOV, M., tekhn. red.

[Greater Caucasus within Subalpine vegetation of the Azerbaijan
S.S.R.] Subal'piiskaia rastitel'nost' Bol'shogo Kavkaza; v pre-
delakh Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidi-
zhanskoi SSR, 1962. 170 p. (MIRA 16:4)
(Azerbaijan—Alpine flora)

GADZHIYEV, V.D.

The lotus *Nelumbium caspicum* in Azerbaijan and its protection.
Okhr.prir.i zapov.delo v SSSR no.7:54-56 '62. (MIRA 16:4)
(Azerbaijan—Lotus)

PRILIPKO, L.I.; GADZHIYEV, V.D.

Contemporary natural vegetation of the Kishchay River basin,
its utilization and condition. Trudy Inst. bot. AN Azerb.
SSR 23:87-105 '62. (MIRA 16:2)
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